WHC SOLAR

WHC-2MW-Li-10MWH Solar Power System

Containerized Battery Solar Power Storage Plants, Modular design, good compatibility, flexible configurations of system capacity.

Versatile

Support peak shaving and valley filling, demand-side response, backup power supply and other main functions; Support remote update of operating strategy and firmware upgrade, lower operating and maintenance costs.

Flexible and convenient

Modular PCS,linear expansion battery unit and energy storage bidirectional inverter unit; It has the ability to independently charge and discharge control of multiple groups of batteries to improve battery utilization and safety.

High integration

System productization, integration of Battery, fire protection, PCS, temperature control, and monitoring communication, fully control the system operation status and risks; One-stop delivery, shorten the installation and commissioning cycle.

Safety intelligence

Fault classification processing mechanism to respond to preset fault scenarios; Customized BMS to provide perfect measurement and protection functions; Support cloud scheduling and operation report analysis.

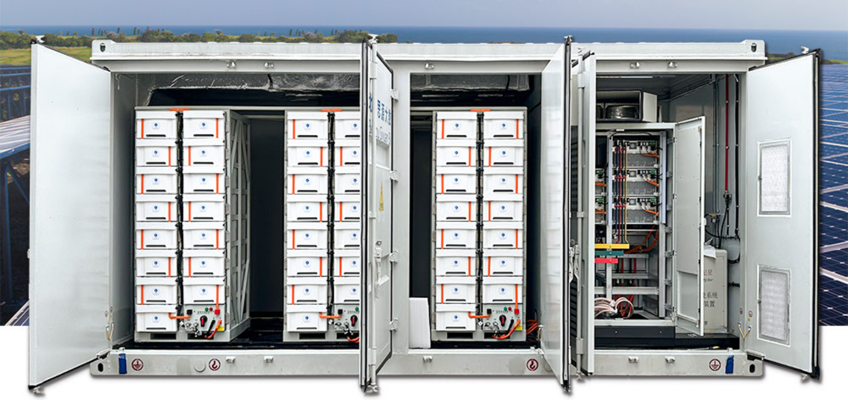
CONFIGURATION LIST

WHC-2000KW-Li-10031.9232KWH Solar Energy System Components List

NO.	Item	Quantity
1	PCS Inverter System 250KW	8 Sets
2	20 Feet Container Energy Storage System Puting PCS,MPPT,Combiner Box,etc	1 Set
3	20 Feet Container Energy Storage System LiFePO4 Lithium Battery 5015.9616KWH	2 Sets
4	STS- automatic switching (0 seconds switching)	4 Pieces
5	550W Solar Mono Panel	5040 Pieces
6	PV Combiner Box: N8 Plus	56 Pieces
7	Solar Panel Bracket	1 Set
8	PV Cable 1*10mm 100M	100 Pieces
9	Backup auxiliary power supply	2 Piece
10	DC Combiner Cabinet	2 Piece
11	AC Combiner Cabinet	2 Piece
12	EMS Management System	1 Set
13	Other excipients	1 Set
14	Solar PV Crimping Tool Kit	3 Sets

CONFIGURATION DETAIL

OUTDOOR ALL-IN-ONE CONTAINER ENERGY STORAGE SYSTEM



PCS Inverter System 250KW

1. PCS+MPPT 250TS(DC350)
2. b56-channel MPPT, maximum open circuit voltage 600V (single 7-channel MPPT)
3. Includes data acquisition, communication, local display, strategy control
4. Including control cabinet, integrated optical storage
5. Isolation transformer

20 Feet Container Energy Storage System

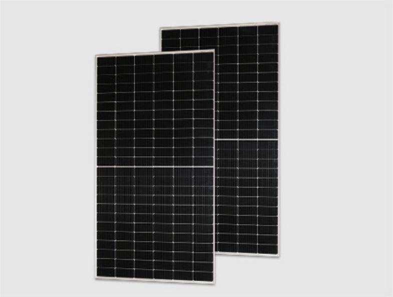
1. Air-conditioning
2. Container transport certification
3. Fire protection
4. Power distribution
5. Insulation system
6. Lighting system, etc
7. Puting PCS,MPPT,Combiner Box,etc

20 Feet Container Energy

Storage System

1. LiFePO4 Lithium Battery 5015.9616KWH
2. Air-conditioning
3. Container transport certification
4. Fire protection
5. Power distribution
6. Insulation system
7. Lighting system, etc

STS- automatic switching (0 seconds switching)



Mono Solar Panel

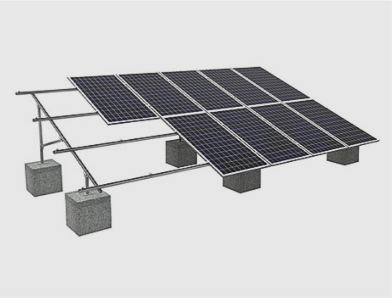
1. Model: WHC-550M-144
2. Voc: 49.95V; Vmp: 41.97V
3. IMP: 12.97A; ISC: 13.86A
4. Module Efficiency: 20.9%
5. Operating Module Temperature: -40°C to +85°C
6. Maximum System Voltage: 1500V DC

PV Combiner Box

1. Combiner Box: N8 Plus
2. Waterproof IP65
3. Max output Voltage: 1000V
4. DC Output Circuit Breake: Yes

WHC
PV Combiner Box
Notice

5. Lightning Protection: Yes

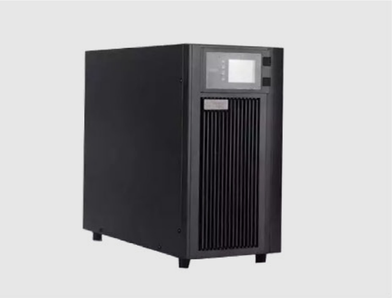


PV Mounting Support

1. Solar Panel Bracket
2. Wind load: 55m/s
3. Structure: Anodized Aluminum
4. Stainless Steel, Angle Adustable

PV Cable

1. PV Cable 1*10mm 100M
2. Withstanding large temperature range
3. Humidity and water resistance
4. UV resistance
5. Acid and alkali resistance
6. Ozone resistance



Backup Auxiliary Power Supply

DC Combiner Cabinet

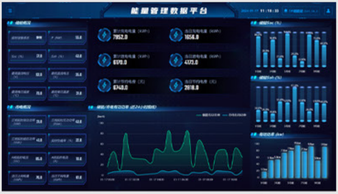
1. Multiple in and one out

AC Combiner Cabinet

1. 400V Hight Voltage

EMS Management System

1. Energy management
2. Precise control



Other Excipients

1. Including battery connection and connector, as well as battery and PCS connection
2. Communication connection included
3. MC4 solar connector

Solar PV Crimping Tool Kit

1. Solar crimping tool
2. Wire Stripper
3. Connector Spanner Wrench
4. MC4 Solar Cable Connector*5

SOLAR SYSTEM PROJECT

WHC Global Agent Plan
To Help 300 agents succeed in their solar business career.
WHC
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